

Patent Abstracts of Japan

PUBLICATION NUMBER : 02187707
 PUBLICATION DATE : 23-07-90

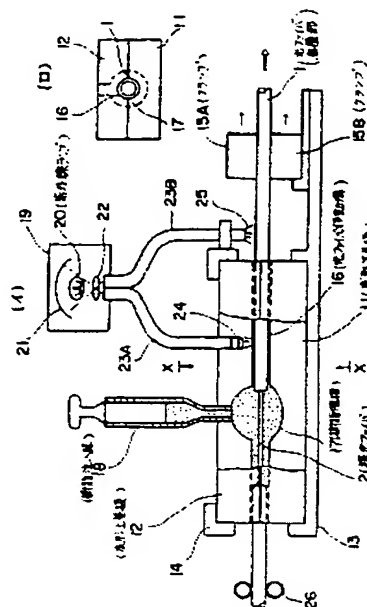
APPLICATION DATE : 14-01-89
 APPLICATION NUMBER : 01007039

APPLICANT : SUMITOMO ELECTRIC IND LTD;

INVENTOR : OSANAI MITSUAKI;

INT.CL. : G02B 6/255

TITLE : METHOD OF MOLDING AND
 REINFORCING FUSION SPLICED
 PART OF OPTICAL FIBER



ABSTRACT : PURPOSE: To form the good fusion spliced part of optical fibers while eliminating a peeling defect, etc., at the time of taking out the spliced part from a molding part by dividing the irradiation of a UV curing resin injected into the spliced part with UV light into two times.

CONSTITUTION: An upper base plate 12 for molding and a lower base plate 11 for molding are engaged and the molding part is constituted of a prescribed groove 16 and a resin storage tank 17. The fusion spliced parts of the optical fiber is disposed therein and the UV curing resin is injected from a resin injector 18 to mold the spliced part. The molded part is irradiated with UV light from the position of a lens 24 and is thereby cured to the half cured state. The molded part is irradiated again with the UV light in the position of an irradiation port 25 emitted from the base plate section by which the molded part is completely cured. As a result, the adhesion of the molded part and the base plates 11, 12 for molding is eliminated and the good molded part is obtained without generating the peeling defect and projection at the time of taking out.

COPYRIGHT: (C)1990,JPO&Japio

THIS PAGE BLANK (USPTO)